



The Halifax Amateur Radio Club

# REFLECTOR

PO BOX 663  
HALIFAX NS  
B3J 2T3

February 2003 Volume 64 Number 2

club address: [www.halifax-arc.org](http://www.halifax-arc.org)



**Valentine's Day is February 14**  
**Ham Breakfast is February 22**



HARC; Club Station phone number - 490-6421 See the HARC Web site at:  
<http://www.halifax-arc.org>

## Our executive and committees.

<u>Position Name &amp; Call Sign</u>	<u>Phone #</u>	<u>E-Mail</u>
President - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca
First V.P. - Murray MacDonald, VE1MMD	876-0661	ve1mmd@rac.ca
2nd V.P. - Trevor Bast, KA8ZUO/VE1	431-6261	ka8zuo@rac.ca
Secretary - Wayne Ernst, VE1GPK	820-2132	ve1gpk@rac.ca
Treasurer - Jeremy Fowler, VE1JHF	835-6651	ve1jhf@rac.ca
Member at Large - Howard Dickson, VE1DHD	823-2024	ve1dhd@rac.ca
Club Station Mgr. - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
Past President - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca

## Committees/Offices/Prime Contacts

Public Relations: Wayne Harasimovitch, VE1WPH	832-3660	ve1wph@rac.ca
IPARN and Brit Fader Memorial QSL Bureau Manager -		
Bob Burns, VE1VCK	865-9414	ve1vck@rac.ca
EMO Coordinator - Dave George, VE1AJP	466-8723	dgeorge@is.dal.ca
Reflector editor - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Reflector Distribution- Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Membership - Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Web page - Rob Ewert, VE1KS,	826-1705	ewertr@hfx.eastlink.ca
Basic ham course Coordinator Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Assistant - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
EMO Trailer Assembly coord - David Musgrave, VE1EDA	435-4333	ve1eda@rac.ca
Flea market Chairman - Dave Nimmo, VE1NN		ve1nn@rac.ca
Field Day coordinator - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
RAC Asst Director - Wayne Marchand, VE1WJM,	860-1580	ve1wjm@rac.ca
NSARA Director - Barry Diggins, VE1TRI	861-3719	ve1tri@rac.ca
Frequency coordinator for Nova Scotia - Bev Reynolds, VE1TL		

The **General Meeting** of the Halifax Amateur Radio Club will take place Wednesday, February 19, 2003 at 1930 hours (7:30 PM), at the former Bloomfield School building (corner of Almon and Agricola streets). The meeting will be held in the Multi-Purpose Room. The guest speaker will be Howard Dickson, VE1DHD speaking on proposals to change the RAC constitution.

Guests are welcome.



## NOTICE OF BY-ELECTION

There will be an election to fill a vacant position on the executive. Trevor Bast, KA8ZUO, will be leaving the area shortly and must step down as 2nd Vice President. Nominations and election to fill this position will be held at the February general meeting. Please consider taking on this executive position.

## Take-15 Net Controllers

**NOTE:** There have been some changes.

This will be the rotation.

If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list, or you want to join, please let Bill Elliott, VE1MR, know.

Feb.	23	Doug	VE1LDL
Mar.	2	Herb	VE1HX
Mar.	9	Larry	VA1LW
Mar.	16	Dave	VE1EDA

## HARC History

The HARC station call is

**VE1FO.** Why?

Who had held VE1FO prior to its being acquired by HARC?

*Answer on page 5*

The HARC Reflector is also available on the web (a little after the paper copy) courtesy of Rob Ewert, VE1KS, by connecting to

## GENERAL INFORMATION

### TAKE-15 NET:

Sunday evenings at 8:30 PM on  
VE1PSR - 147.270 MHz +

SPACE DIGEST: Sunday evenings  
following the Take 15 Net.

### CLUB REPEATERS:

VE1PSR - 147.270 MHz +  
VE1HNS - 146.940 MHz -

### PACKET:

VE1NSD - 145.050 MHz LAN NODE  
VE1BBS - Local packet BBS

## Coming Events

Practice CW net with Bill, VE9WW on Monday evenings at 9:30, frequency 3.715. Call in at any speed and he will try to match it. He asks however, please keep the speed down so more participants will be able to copy. Net call CWPVN.

Amateur Radio Basic course - Thursday evenings. Contact Tom Caithness, VE1GTC, for information or to volunteer help.

The **CW exam** will be held (at the Club Station?) February 15. Contact John, VE1DD for exact time & place

### Can You Lend A Hand!

"We need Hams at the Club Station to lend a hand in demonstrating our hobby.

If you can spare a little time now and then, helping out, please give me a call or e-mail."

John Goodwin 865-5731  
ve1cdd@rac.ca

February - 'Hamateur' breakfast ...

What are you doing October 7, 8, 9, 2003?

Let's take advantage of a free booth to publicize local amateur radio, RAC and the NSARA at the Trade Show which will be part of APCO (Association of Professional Communications Officers) Conference. Contact Dave George, VE1AJP to volunteer to help out at this.

**DOWNEAST FLEAMARKET**  
SAT 07 June 2003 at 10:00 AM finally out from under the Apple Blossom!

The Multiple Sclerosis Annual Walkathon will be held on Sunday, May 4, 2003 starting and finishing at the Dalhousie Arena on South Street in Halifax.

Anyone interested in helping out can contact Jeremy, VE1JHF.

MS Bike Tour - August 9, 10, 2003  
Contact Rick Gardner, VE1RGG, to

## MID WINTER AMATEUR BREAKFAST

When: 09:00 AM SATURDAY 22-FEB 2003

Where: HALIFAX STEAK & STEIN  
corner Robie & Young Streets, Halifax

Reservations not required, but contact VE1NN, David, with intentions and rough numbers in order that we set up enough tables.

E-mail to [dnimmo@accesswave.ca](mailto:dnimmo@accesswave.ca)

or phone (902)-462-3945



Regular Steak & Stein breakfast menu in effect, wide variety of choices at reasonable prices...individual bills will be provided

**NOTE:** New Steak & Stein policy for large group reservations is to add 17% gratuity to all bills. As regular customers however, they have agreed to waive this policy for us. I have assured them, contrary to rumours, that the hams are decent tippers!

David, VE1NN

P.S We will provide piper(s) to allow VIPs to make a "grand entrance" as we did last year



## DOWNEAST FLEAMARKET

When: Saturday June 7, 2003 at 10:00 AM talk-in 147.27 +

Where: the HALIFAX FORUM ANNEX (same as last year) Map and directions will be on the HARC web site soon

Admission \$3 for everybody

OPEN at 6:00 AM for sellers,

10:00 AM for buyers.

....suggest buyers do breakfast at Steak & Stein and 3 minute walk back to the Forum

Usual demonstrations and displays...RAC/DXCC card checking/IRLP, APRS demos, etc.

We are really going to push to get some momentum back into this fleamarket...we hope for computer tables and will not turn away the XYL's who want to bring crafts and baked goods!



Questions/table reservations....

[ve1nn@rac.ca](mailto:ve1nn@rac.ca)

David S Nimmo, VE1NN



## CLUB HISTORY

We are looking for club history and hope some of the older members may remember significant events in the past of the club. Many of our older members do not or can not attend meetings but may still contribute significantly to the club memory. Perhaps you have old photos and can remember some of the people and calls in them and perhaps dates or the year. Information of the very early years of the club would be very welcome. Please contact any executive member by phone, mail or E-mail.

Congratulations to the new Executive of the Lunenburg County Amateur Radio Club for the year 2003

President - Charlie Jenkins VE1JEN  
Vice Pres - Phil Oakes VE1PDO  
Secretary - Avery Eldridge VA1ARE  
Treasurer - John Brown VE1CZC  
Past Pres - Al Cyphes VE1CYP

## Puzzler - Do You Know?

What American ham was also a candidate for the office of Vice President of the U.S.?

What was his callsign?



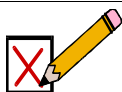
## QSL cards!! Business cards!!

We have business cards (eyeball QSL cards) available now. They will be available at the club meeting: 50 for \$10 and 100 for \$20. The business cards have the club logo in colour and space for your information, ( either written or rubber stamped ) and the back of the card has some club information on it. There are 1000 cards available in this first printing and we expect them to go quickly. When the initial printing is gone we will look at the demand and get more as needed.

We also have quotes on QSL cards in various formats, such as full colour, 2 colour, single sided, double sided, 500, 1000 or 2000 cards. We are looking at having some different designs available to choose from in the near future or you may want to design your own. The quote information will be available at the club meeting.

These cards are another benefit of being a member of the club. There will also be available from these negotiations a new copy of the club logo in colour, and in black line drawing. These negotiations were done on the behalf of the club by Wayne, VE1WPH.

Congratulations to the  
2003 Dartmouth Amateur  
Radio Club executive  
elected Saturday, January 11



President – Bill Galloway,  
VE1WWG

V.P. – Dick Grantham, VE1AI  
Secretary – George Turetzek,  
VE1BZF

Treasurer – John Brady, VE1WZ  
Member at Large – Leo Slade,  
VE1LS

Technical Director – vacant  
Technical Advisor – Bill Elliott,

## YOU HAVE MAIL

If your call sign is in this list then you have QSL MAIL. The Brit Fader QSL Bureau has QSL cards for you. There is 1 or more cards on file for you that cannot be sent out for one of the following reasons; there is no money in your account for mailing OR you have a negative balance in your mailing account.

**WHAT TO DO** - Contact the Bureau at BRIT FADER MEMORIAL QSL BUREAU, Box 8895 Halifax, NS, B3K 5M5. Send a cheque or money order for \$5.00 or what ever you wish (be sure to Indicate your call sign), this will allow mailing of your cards. If you DO NOT WANT to receive the cards **please** send a letter authorizing the destruction of the cards.

### THE LIST:

VA1LW, VE0MMA, VE1AJP,  
VE1AR, VE1ATF, VE1BJR,  
VE1BPN, VE1CRM, VE1CRS,  
VE1CZN, VE1DRS, VE1DY,  
VE1HRM, VE1ILD, VE1JJB,  
VE1KBL, VE1KLF, VE1MCR,  
VE1MMD, VE1NAN, VE1OD,  
VE1PUP, VE1QQ, VE1VX,  
VE1XNL.

## Net Controllers

We are in need of more Take-15 net controllers. We have lost 2 people from the list and it would be nice to replace them. The more people doing this simple task will spread the load out and each would only have a turn every few months. The net is each Sunday evening at 8:30 PM on VE1PSR and usually only lasts up to ½ hour, occasionally going slightly longer but usually shorter. Consider this task and help your club.

**Silent Key –**  
Dick Thorne, VE9RPT

## Space Digest

I'm confident that the effort will be of more value to all concerned if the format becomes a little more interactive ....being more like a round table discussion. A significant change from the previous seemingly one sided "news" type of format.

A more effective time for this group to meet is immediately following the "Take 15 Net" on Sunday evening as opposed to before. This will allow ample time for a free flow of any lengthy discussion that may be generated.

Finally, while "check-ins" will be solicited, there will no traffic requirements. This is to remain, at least for the time being, an informal forum for the exchange of information between like minded individuals

There will be a short (10-15 min.) tutorial given on the evening of 16 February entitled "How to Work the ISS - From Contact to QSL" There will be much information with time for questions. Participants may even wish to share their personal experiences with the ISS or even MIR. Should be interesting!

Please give me a call if you need any further information or clarification on this (832-3660).

73, - Wayne, VE1WPH

## REMINDER

Have you changed your address? Got a new call sign?

We need to know your correct address to get the newsletter to you. Please inform Tom Caithness, VE1GTC of any address changes.

Also please send your change of address to The Brit Fader

Memorial QSL Bureau  
P.O. Box 8895



### As of 2003 the **Halifax Amateur Radio Club is 70 years old.**

*The following is taken from the book by the Saskatoon Amateur radio Club, VE5AA, published in 1968 "from spark to space the story of amateur radio in Canada". -ed.*

In the early 1920's and 1930's the Maritime Amateur Radio Association existed, embracing a few hams in the (VE1) land. Meetings were held principally in the Halifax area where the majority of the members resided. As the number of Halifax hams increased and joined the Association it became apparent that the name "Maritime Amateur Radio Association" had served its purpose and did not embrace the 3 provinces as its name implied. Therefore in 1933, the name was changed to Halifax Amateur Radio Club. The membership was about fifteen. Meetings at the time were held in the homes of the members. By the following year membership had increased to 22. In 1935 the cooperation of other VE1 hams was requested for a hamfest. The plans were made for the first weekend in June (King George V's birthday). It was a new venture for the group, but enthusiasm was great. The opening dinner had 89 present. The guest speaker on the occasion was major W.C. Borrett, VE1DD, and Joe Fassett, (10AR) reminiscing on the early days. Alex Reid, VE2BE was also present. The Sunday picnic included a game of baseball. Five meter gear was in evidence, and it performed well in demonstrations. One of the contests that was run was to determine who could get an oscillator going first, using only wire, condenser, tube, socket and small parts – without the aid of solder or pliers.

Affiliation with the A.R.R.L. was made in 1935 and conventions under A.R.R.L. sponsorship were conducted in 1937 & 1939. The Club operated a station through which traf-

With the outbreak of war in 1939 amateur activities ceased but by mutual consent the Halifax Amateur Radio Club carried on its monthly meetings. This proved to be a wise move as Halifax was well known in those days as a sea port and frequently visited by amateurs from abroad and all across Canada. Thus during this period of radio inactivity many radio friends were made by personal contact.

Public service has proved an important part in member activities. Over the years numerous emergencies have called the amateurs into service – telephone & telegraph lines down, missing aircraft, ships in distress and many more.. One of the emergencies which created nation wide interest was the Moose River Mine disaster in April 1936. VE1DQ and 2 assistants went to Moose River. VE1AW was operator at Halifax and the stations were manned for 96 continuous hours. Traffic was handled for the Canadian Press, for which the efforts of the Club were highly commended by the C.P.

Ham activities returned to normal in 1946 and a Hamfest was arranged for the Labour Day weekend of that year. On the Labour Day weekend in 1949 the year of Halifax's Bi-Centenary, the HARC arranged another Hamfest. The HARC has participated in A.R.R.L. field days, and work in close association with Civil Defence authorities. At the 1958 Field Day the Civil Defence provided their 40-foot trailer as field Day headquarters. The coordinator, major J. Vickery accompanied the operators and watched them "do their stuff" in spite of the most unfavorable radio conditions which they experienced.

A parallel ladies organization was formed at the 1949 Hamfest under the name of the "Dit and Dah Club".

**QST Magazines**, we all have them laying around the ham shack. Lets put them to good use and in a place where many can use them. Do you have any of these or earlier issues of QST laying around? Why not donate them to the Halifax Amateur Radio Club? We would love to receive these issues to add to the archive.

We are also looking for QST binders for the older magazines. Some of these magazines are getting very old and fragile and could use the protection of a binder. Contact John (ve1cdd.rac.ca or phone 865-5731.) for pickup in the local area or for information.

### Missing Issues

1931 May, June, July  
 1932 Jan, Feb, Mar, Apr, May, June, July, Oct, Dec  
 1933 Jan, Feb, Mar, Apr, May, June, July, Aug  
 1934 Jan, Feb, Mar, Apr, June, July, Nov.  
 1935 Jan, Feb, Mar, May, June, July, Aug, Oct  
 1936 Jan, Mar, May, July  
 1937 Feb, May  
 1944 Dec  
 1946 Apr  
 1947 Feb, June  
 1949 June, Sept  
 1950 Feb  
 1955 July  
 1957 March  
 1958 Oct Dec  
 1960 Sept Nov  
 1961 Apr May June  
 1963 Feb  
 1964 Apr, May, July, Aug, Sept, Nov  
 1965 Jan, Apr, May, Aug  
 1966 Feb  
 1967 July, Sept, Nov  
 1968 Mar, Apr, May, June, Dec  
 1999 June, Aug, Sept  
 2000 May, June, Oct, Dec  
 2001 Jan, Feb, Apr, May, June, July, Oct, Dec  
 2002 Apr, May, July, Sept, Dec.  
 2003



**Special Interest Group (SIG)**

The Halifax Amateur Radio Club is starting special interest groups. I would like to form a group of those interested in Satellite Communication. Personally, I have very little knowledge in this field. The idea of the group would be to learn, to teach each other and to have a good time.

The main goal of the group is to set up a satellite position at the club station. There will be several benefits. We will learn about satellites, club members with their basic licence will be able to operate the position and chase DX without an advanced licence holder being present and last but not least, have fun.

Much of the equipment is available and what we do not have can be made, scrounged, borrowed or bought. Does anyone have unused equipment that they would like to donate or loan? As we are just starting up, anything would be appreciated.

Everyone is welcome to join the group regardless of the class of licence held. If interested please contact John (VE1CDD). Phone/Fax 865-5731 or ve1cdd@rac.ca.

73, John VE1CDD

**HARC Tube Bank**

HARC's Tube Bank under the care and management of Amy and Ashley Cohoon and Kim Carter holds a fairly good assortment of new & used tubes and of course donations of tubes are always appreciated.

Anyone looking for a particular tube or tubes should contact the Tube Bank Managers by e-mail at harctube@hotmail.com or nstn2110@fox.nstn.ca or snail mail:

99 Hyson Point Rd.  
Mahone Bay, N.S.  
B0J 2E0

There is a nominal charge to people if we have the tube they want.

From the ARRL Letter, Vol. 22, No. 02  
January 10, 2003

**NEW SAUDISAT GETS OSCAR DESIGNATION**

A third satellite in the SaudiSat series has earned an OSCAR designation from AMSAT. SaudiSat-1C now will be known as SO-50. The Amateur Radio payload was successfully placed into orbit December 20 from Russia's Baikonur Cosmodrome by a modified Soviet-era ICBM. The German-made SAFIR-M Amateur Radio payload

<http://www.arrl.org/news/stories/2002/12/24/3/#German> went into orbit during the same launch, as part of the RUBIN-2 scientific satellite. SAFIR-M has been designated as AO-49. SaudiSat-1C is a project of the Space Research Institute of the King Abdulaziz City for Science and Technology (KACST) <<http://saudisat.kacst.edu.sa/>>, an independent scientific organization of the Saudi Arabian government.

"On behalf of AMSAT-NA I wish to congratulate you and your associates at Space Research Institute of KACST on the successful culmination of this project and hope that amateurs all over the world will have an opportunity to use SO-50," said AMSAT-NA Board Chairman Bill Tynan, W3XO, in making the announcement this week.

SaudiSat-1C follows by a little more than two years the launch of SaudiSats 1A and 1B. Now in a 650-km (400 miles) orbit, SaudiSat-1C carries several experiments, including a new Mode J FM amateur repeater. The downlink frequency is 436.775 MHz. The uplink frequency is 145.850 MHz. A 67.0-Hz CTCSS tone is required for on-demand access to the satellite, which shares the same frequencies as AO-27 and SaudiSat-1A.

Space Research Institute Director Turki Al Saud reports that the SaudiSat-1C repeater was activated and tested this past week. Its receiving antenna is a quarter-wave whip atop the spacecraft. The 250-mW

quarter-wave antenna on the bottom of the spacecraft. He said the repeater will be available to amateurs worldwide as power permits.

AMSAT-NA President Robin Highton, VE3FRH, has pointed out that SaudiSat-1C will require activation on each pass by a designated control operator. "A worldwide network of designated control operators is now being developed so that radio amateurs may begin using the satellite immediately," he said.

For tracking, the NORAD identifier for two-line Keplerian elements is 27607.

According to a report in Arab News <http://www.arabnews.com/Article.asp?ID=21335>

the new satellite is equipped with capabilities to provide "vital data" concerning weather conditions and oil exploration as well as to monitor the movement of vehicles in remote regions of Saudi Arabia.

Turki Al Saud told AMSAT-NA that SaudiSat-1A (SO-41) recently has been used to conduct some tests and will return to service soon. SO-41 has been configured for FM voice repeater operation. SaudiSat-1B (SO-42) still is being used to conduct some experiments but could be made available for amateur use in the future.--AMSAT News Service; King Abdulaziz City for Science and Technology.

*Answers to HARC History questions on page 1 Why VE1FO as the HARC station call?*



One of the faithful and enthusiastic members of the HARC before the war was Doug Smith, VE1FO. He joined the R.A.F. in 1938 and during the War was cited for bravery and credited with knocking out important enemy trains in North Africa on several occasions. On his last raid anti aircraft batteries felled him. His grave is located in Misura, Libya. In commemoration and remembrance the Halifax Amateur Radio Club claimed his call,

**Halifax Amateur Radio Club  
Minutes of the General Monthly  
Meeting  
January 15, 2003**

Minutes taken by VE1JHF



Quorum of 2003 members was present at the meeting

Executive members present:

Dick VE1AI - President

Jeremy VE1JHF - Treasurer

Murray VE1MMD - First Vice

John VE1CDD - Station Manager

Bill Elliott VE1MR - Past President

Howard Dickson VE1DHD

- Member @ Large

Meeting was opened with a statement from the President, declaring 2003 to be the "Year of Participation" for the Halifax Amateur Radio Club.

He would like to try and get as many members of the Club as possible, involved in some form of club activity this year. Also, he is looking to attract former members of the club back into active club participation.

He then welcomed the new executive, both present and absent members.

A call was made for any notice of Silent Keys - one was put forth :  
Dick Thorne VE9RPT

Any guests to the meeting were then asked to introduce themselves. There was one in attendance, Pierre Romard, a local junior high school student .

The minutes of the November 2002 meeting were then presented for approval of the members, as printed in the Reflector.

Motion to accept by Howard VE1DHD

Motion seconded by John VE1DD  
Motion carried.

Treasurers Report was then given:

Current bank balance: \$ 3731.64

Motion to accept by Lynn Bowser, VE1ENT

Motion seconded by George Barbour, VE1GAB  
Motion Carried.

Search and Rescue Report: David George, VE1AJP, reported that the new Command Vehicle is ready to go. There was a press conference at the Grand Parade in Halifax, recently to announce the commissioning of the vehicle. The mayor of the HRM was in attendance.

Among other amenities, the vehicle boasts:

3500 Watts of lighting power

A 10KW generator

A diesel furnace.

EMO Report:

David George, VE1AJP, reported that all was quiet with EMO and had nothing further to report.

Club Station Report: (Station Manager, John Goodwin VE1CDD)

John reported that all was well in the station and that he was looking at installing some filters between the computers and the radios to prevent interference.

There is some work to be done on the vertical HF antenna (AP8), to find out the cause of a high SWR condition.

He would also be purchasing a new pull down projector screen for the station to be used for the radio classes .

Membership Report:

Tom Caithness, VE1GTC, reported that the membership of the club currently stands at 84 members to date.

2 Life,            17 Associate  
66 Full Members

Anyone wishing to pay their membership dues for 2003 could see Tom during / after the meeting.

Public Relations Report:

Wayne Harasimovitch, VE1WPH, showed off the "new" Club crest that was created by a professional graphic artist at the print shop he is dealing with.

He advised of the availability of "eyeball" / business cards for club members and showed some examples. He also advised the members of prices for same.

He also showed of examples of QSL cards that are available From the same source, along with their

Also, some examples of proposed letterhead for the club along with pricing.

A call for a motion was made to approve the designs of the business cards and letterhead as they were presented.

Motion made by Dave VE1AJP

Motion seconded by Dave VE1EDA

Motion carried.

Many thanks to Wayne for all his hard work on this.

GOTA Report (Guides on the Air):

John, VE1CDD, reported that he had already been contacted by 2 groups interested in participating in GOTA.

He is looking for volunteers to assist him.

John, VE1DD, Wayne, VE1WPH, and Tom, VE1GTC, offered their assistance.

HAM Breakfast Report: (HB Chairman VE1NN not present)

Members are reminded that the 2003 HAM Breakfast is scheduled for February 22, 2003, at the Steak and Stein on Young Street in Halifax. at 9 AM. If you plan on attending could you please let Dave, VE1NN, know ahead of time, so we can have some idea of how many plan to be there, so we can let the restaurant know how many to expect.

Flea Market Report: (VE1NN not present)

Members are reminded that this years annual Downeast Flea Market will be held at The Halifax Forum Annex on Windsor Street on Saturday, June 7, 2003.

The doors will not open to shoppers until 10:00 AM this year

There may be a possibility sellers can get access on Friday night in order to set up their wares but they should plan on setting up early Saturday morning

It was duly noted that this is the first year that the flea market does NOT conflict with the Apple Blossom Festival schedule....

The Mutliple Sclerosis Annual Walkathon will be held on Sunday, May 4, 2003 starting and finishing at the

(Continued on page 7)

Dalhousie Arena on South Street in Halifax.

Anyone interested in helping out can contact Jeremy, VE1JHF.

The MS Bike Tour will take place on August 9th and 10th, 2003.

Anyone wishing to assist can contact Rick Gardiner, VE1RGG.

#### Upcoming Special Events

June 14th and 15th – International Museum Weekend – John Goodwin, VE1CDD mentioned that there may be a special call sign available for those wishing to operate at any special museum events.

John will check out whether there is anything planned for the museums in the local area.

July 19th - Museum Ships on the Air. There will be a working display on the CSS Acadia at the Maritime Museum wharf as in past years.

Anyone wishing to help with this can contact John, VE1CDD.

Dick advised that the entertainment for this evening would be David George, VE1AJP, with a presentation on Internet Fraud and Email scams.

He also made mention of the upcoming entertainment that is planned for the rest of the year.

#### Old Business

Tom and Betty Caithness were congratulated on their excellent work in putting together the annual Christmas party at Tan's Restaurant.

A fine job, as always.

There was a 2003 budget presentation by Bill, VE1MR, outlining planned club expenditures for this year. A motion was made to accept the budget

Moved by Howard, VE1DHD

Seconded by Lorne, VE1KLF

Motion Carried

Howard Dickson, VE1DHD, former RAC Director, outlined the latest developments with his attempt to get RAC to publish his letter to the membership regarding the current situation at RAC.

#### New Business

John would like to purchase new

and in The Club station, at a cost of approximately \$400.

Also the purchase of a new projection screen for the club station for use with the Amateur radio classes. Cost of about \$150.

Purchase of tables and screen approved.

EMO Training: Dick wished to express the importance of participating in EMO training courses especially message handling and training exercises/simulations.

He made particular note of the CentWarn exercise from last year and what was learned.

Anyone interested in EMO was asked to sign the paper to be contacted for training or a refresher course.

#### Club Projects

Some proposals for club projects for 2003 were put forward such as:

APRS – putting together a demo system (any interested parties were asked to approach the executive)

Satellite station for the club station: (anyone interested was asked to contact John, VE1CDD, Station Manager)

Fast Scan TV station: Anyone interested in any of the above is asked to contact the executive.

The 50/50 Draw was held. –Winner was John, VE1CDD...

The Door prize was won by David George, VE1AJP

Meeting was adjourned about 2035

Following a short break, Dave George presented the evening's entertainment.

Respectfully submitted,  
Jeremy Fowler VE1JHF,  
acting secretary....

*After a particularly rough landing during thunderstorms in Memphis, a flight attendant on a Northwest flight announced: "Please take care when opening the overhead compartments because, after a landing like that, sure as hell everything*

From the ARRL Letter, Vol. 22, No. 04,  
January 24, 2003

FCC says power line communications technology shows promise: According to an Associated Press report, the FCC's Office of Engineering and Technology has found that power line communications (PLC), which can enable high-speed Internet access over electric power lines, shows promise. The OET has said that PLC is "beginning to look like a viable alternative to cable and DSL connections to the Internet," AP reported. At present, no regulations prevent the use of electric power lines to provide Internet connections. The FCC wants to ensure that the technology does not cause interference problems with other services. Some PLC devices use digital signals that occupy spectrum into the upper HF range. These signals can be radiated efficiently by some electrical wiring, so there can be a significant potential impact on Amateur Radio.

ARRL Lab Supervisor Ed Hare, W1RFI, chairs an IEEE C63 "RFI" ad hoc working group on the topic. "The problem with PLC is that if a company wants to supply Internet service via PLC, it's going to happen at HF, and it will radiate," Hare said. Last fall, the International Amateur Radio Union (IARU) Administrative Council noted the growing use of PLC for high-speed data and expressed concerns that PLC radiation could interfere with Amateur Radio reception. As a result of strong opposition from the Japan Amateur Radio League (JARL), Japan's government said last summer that it was too soon to allow PLC devices in that country between 2 MHz and 30 MHz, due to its interference potential to other HF users. AP says two utilities, PPL of Allentown, Pen., and Ameren of St Louis, Missouri, are working with consumers to test Internet access over power lines. PLC devices use overhead power lines and/or residential electrical wiring to communicate digital signals for networking within a home or to provide Internet services to entire neighborhoods.

*Why isn't there*



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January 24, 2003

# AMATEUR RADIO BOOSTS MARCONI CENTENNIAL COM- MEMORATION INTO ORBIT

The magic touch of a princess helped to put Amateur Radio center stage January 18 on Cape Cod, Massachusetts, during events marking the 100th anniversary of the first transatlantic wireless message transmitted by Guglielmo Marconi. For the occasion, Marconi's youngest daughter, Princess Elettra Marconi, launched greetings into space via an Amateur Radio on the International Space Station (ARISS) hookup to ISS crew commander Ken Bowersox, KD5JBP.

"One hundred years ago today, my father, Guglielmo Marconi, sent the first wireless message across the Atlantic Ocean from Cape Cod," Princess Elettra said from a packed auditorium at the Cape Cod National Seashore Salt Pond Visitor Center in Eastham. "In this same spirit of his achievement and also from Cape Cod I send this wireless greeting to you in space. Cordial greetings, good wishes and God bless you"

Replied Bowersox from NA1SS, "It's wonderful to hear your voice across the radio waves. It's amazing how far our societies and radio communication have come in the past 100 years."

On January 18, 1903, Marconi sent wireless greetings on behalf of President Theodore Roosevelt to Great Britain's King Edward VII. Events throughout the week leading up to the ARISS contact included two Amateur Radio special event stations. KM1CC operated from a National Seashore site not far from Marconi's original Cape Cod radio station, transmitting a commemorative message from President George W. Bush and retransmitting Marconi's original 1903 text. Another special event station, WA1WCC, was on the air from the former WCC shore station in Chatham, where Marconi had relocated operations after the ocean threatened to claim the

nal station. Princess Elettra also visited the WA1WCC special event site.

Following Princess Elettra's introductory remarks, eight students from three Cape Cod high schools took turns firing a total of 18 questions at Bowersox as hundreds of visitors and some two dozen news media representatives looked on. Serving as mentor for the noontime Cape Cod contact was ARISS International Chair Frank Bauer, KA3HDO. The students' curiosity ranged from research goals to whether Bowersox had any desire to undertake a trip deeper into space--perhaps to Mars.

Bowersox said his wife has forbidden him to go to Mars--a comment that drew a chuckle from the audience--but said he'd volunteer for a deep-space mission if he could bring his family along.

"I think someday we're going to leave Earth," Bowersox predicted in response to one of the students' questions. "We're going to move on out of our solar system out to the stars, and we're just taking the baby steps now. Your generation will take us a lot farther, I hope."

Handling earth-station duties for the ARISS contact was Nancy Rocheleau, WH6PN, in Honolulu. A WorldCom teleconferencing arrangement made two-way audio available on Cape Cod. Students selected were from Provincetown High School, Cape Cod Technical and Vocational School and Nauset Regional High School.

"The ARISS contact at the Marconi centennial event was a tremendous success," said Bauer. "I must say that this contact was one of the more impressive and awe-inspiring ARISS contacts we have accomplished." ARISS <<http://ariss.gsfc.nasa.gov>> is an international effort with support from ARRL, NASA and AMSAT.

*You may have to fight a battle more than once to win it.*

"Yahoo is now using something called "Web Beacons" to track Yahoo Group users around the net and see what you're doing -similar to cookies. Take a look at their updated privacy statement:

<http://privacy.yahoo.com/privacy/us/pixels/details.html>

About half-way down the page, in the section "Outside the Yahoo! Network", you'll see a little "click here" link that will let you opt-out of their new method of snooping.

Once you have clicked that link, you are opted out. Notice the "Success" message at the top of the next page.

(If this URL doesn't work, then go back to

<http://privacy.yahoo.com/privacy/us/pixels/details.html>

and you will find Web beacons in the section on Cookies.)

BE CAREFUL because on that page there is a "Cancel Opt-out" button that, if clicked, will \*undo\* the opt-out."

73 John VE1CDD



*I was having trouble with my computer. So I called Rick the computer guy, to come over. Rick clicked a couple of buttons and solved the problem. He gave me a bill for a minimum service call. As he was walking away, I called after him, "So, what was wrong?" He replied, "It was an ID ten T error."*

*I didn't want to appear stupid, but nonetheless inquired: "An ID ten T error? What's that ... in case I need to fix it again?"*

*The computer guy grinned...*

*"Haven't you ever heard of an ID ten T error before?"*

*"No," I replied.*

*"Write it down," he said, "and I think you'll figure it out."*



Search for mystery pioneer Scot  
ALASTAIR DALTON SCIENCE  
CORRESPONDENT

EXACTLY 250 years ago today, a Scottish inventor penned a theory that led to the electric telegraph and the mobile phone. The problem is, the scientist's identity has never been established.

Now, a St Andrews University academic has launched a search for the mystery genius, whose groundbreaking paper was simply signed with the initials "CM, Renfrew" when it was published in *The Scots Magazine* in 1753.

Professor Colin Vincent, the university's deputy principal, said the largely-forgotten article provided the impetus for a technical leap as important as the invention of the transistor or laser.

He said: "There is no doubt that the mobile phone and the internet are direct descendants of CM's paper."

Prof Vincent said the article had described for the first time how electricity could be applied to a wire to create a communication device.

It was published more than 60 years before the invention was first demonstrated, which followed the invention of the battery.

When CM put pen to paper, Renfrew was a small village on the Clyde, the steam engine had yet to be invented and the Industrial Revolution had still to dawn.

Prof Vincent, a former head of the university's chemistry department, became fascinated with CM when he worked on the development of lithium batteries, used in mobile phones. He believes the inventor deliberately hid his - or her - identity. Previous claims about who CM was have been

incorrect.

He said: "CM was clearly someone who understood the technology very well and had access to the latest developments in London. There were many 'gentlemen dabblers' around at the time, such as clergymen and schoolmasters, but we cannot even be sure CM was male."

However, despite CM's revolutionary work, which he termed "signalling at a distance by the use of electricity", he has not been linked with any other scientific research and appears to have sunk back into obscurity.

The author's imagined device, which he referred to as "an expeditious method of conveying intelligence", involved 26 parallel lengths of wire, one for each letter of the alphabet.

In the article, CM described how electric current could be applied to one wire at a time to electrify a ball at the other end. This would cause a piece of paper with the name of that letter to move, so a message could be spelled out. An alternative method, using bells of different pitch, was also proposed.

CM believed that practised operators would be able to recognise the chimes of whole words rather than having to note down each letter.

Prof Vincent said CM's idea derived from his knowledge of friction-based electrostatic generators. While static electricity had been known since 1600, the machines remained the only way of making electricity.

He added CM's achievement was all the more amazing because other scientists experimenting with electricity at the time could not see any use for it in communications.

Dr William Watson, a physician who had "forced a shock" through a wire across Westminster Bridge in London in 1747, wrote: "We are not yet so far advanced in these discoveries to render them conducive to the service of mankind."

Prof Vincent said: "It was a remarkable stroke of inventive genius

enigmatic CM. It has led over a period of 250 years to a transformation of society, in a way that could not even have been contemplated in the middle of the 18th century."

The invention of the battery by Alessandro Volta in 1800, enabling the storage of electricity, and the coming of the railways, which required faster communications, prompted a flurry of interest in CM's work.

Although the device was first attempted in France in the 1770s, its practical use was not demonstrated until Sir Francis Ronalds's experiments in London in 1816.

CM's theory was also taken up by other British scientists, such as William Cooke and Charles Wheatstone, in the 1830s, and Samuel Morse in the United States, who invented the Morse Code. This led to the first transatlantic telegraph being laid in 1857, the telephone 40 years later, and, eventually, the mobile phone.

Prof Vincent, who was made an OBE in the New Year honours for his university work, said that he was one of the only people in Scotland to be aware of CM's key contribution to the development of communications.

He added: "The mystery of CM's identity remains, but we know with reasonable certainty that the inventive spark which led to today's internet and mobile phone networks took place in Scotland 250 years ago."

From web site: [www.thescotsman.co.uk/paperboy.cfm?id=126552003](http://www.thescotsman.co.uk/paperboy.cfm?id=126552003)

Courtesy of John VE1DD

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The official video of World Radiosport Team Championship 2002 (WRTC 2002) held in Finland now is available in DVD and VHS formats. Three camera crews covered as many teams and events as they could during the actual 24 hour competition. An ESPN announcer narrates the video, which is said to have been produced from "a sports perspective." Running time is 60 minutes. Information on how to obtain a copy is available on the DX & Contest Videos by 9V1YC Web site



#### **Answer to puzzler on page 2**

*What American ham was also a candidate for the office of Vice President of the U.S.?*

*What was his callsign?*

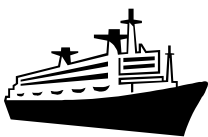
Answer - the late Senator  
Barry Goldwater.

**More Radio History**

Source – *The Day They Sank  
the Lusitania*

by Donald Barr Chidsey

When the White Star liner, Titanic hit an iceberg 2:20 AM April 15, 1912, one of the most bitter things about that memorable night was the fact that her SOS – the first time those initials of distress had been used at sea, replacing the CQD – though heard and answered by the Carpathian, 70 miles away, was not heard by the California, which was only 8 to 10 miles away. The reason the California did not hear was that the law then did not demand that a ship's wireless be in operation around the clock and the California's operator was asleep in his bunk.



On May 7 1915 at 2:09 PM the Cunard Line's Lusitania ("the safest ship afloat") was torpedoed by the German submarine, U-20, almost 10 miles off Kinsale Old Head, southern Ireland. The chief wireless operator of the Lusitania, Robert Leith was in his "Marconi deck" (it was really a shack on the highest deck of all, the boat deck) within seconds of the torpedo's impact and started to rap out an SOS, repeating over and over with her International Morse Code designation, MSU, familiar to everybody in the shipping world. In a few minutes the power failed. The ship's generators had given out. Leith was prepared for this and immediately switched on his emergency power storage batteries with hardly a pause in his transmission.

Four civilian ships within 30 to 40 miles of Lusitania heard the SOS. The skipper of Swanmore, having no wish to run into a covey of German U-boats, had her put about and sailed back to Liverpool. Narragansett, City of Exeter and Etonian steamed

towards the Lusitania to assist. When Narragansett came into range the U-20 fired it's last torpedo at her, missing by no more than a few feet, badly scaring the skipper and hands who had seen the line of bubbles. Concluding that the SOS had been a trap and sent by the Germans the Narragansett swerved swiftly and zigzagged away from the Irish coast. This change of course was not noted by Etonian or City of Exeter which were some miles astern but when the U-20 surfaced between these two vessels both skippers were scared into suddenly altering course away from Ireland with the U-20 in pursuit



At the Old Head itself there was a wireless station that picked up the SOS and phoned in to the nearby port town of Queenstown. When the news spread along the waterfront, every able-bodied man who had or could find a place on any seaworthy craft that was available volunteered for rescue work. The "mosquito fleet" consisting of between 25 and 30 boats set forth (mostly sail-dependent except for the side-wheeler, Flying Fish). This "fleet" was joined just outside the Harbour by a Greek coaster, Katerina which had also heard and was responding to the Lusitania's SOS.



18 minutes after being struck by a torpedo the Lusitania sank in 360 feet of water. Of the 1,959 aboard, passengers & crew 1,195 were lost. The 764 survivors, including chief wireless operator Leith (a non-swimmer) who was plucked unconscious from a half-submerged lifeboat, owed their rescue to the civilian "mosquito fleet" who responded to the radio operator's SOS.

**Post Script:** The official report of the captain of U-20, Kapitanleutnant Schwieger states that only one torpedo was fired at the Lusitania.

Etonian and City of Exeter escaped making 2 knots more than the U-20 could, thus keeping out of range of the U-20's deck guns.

Kapitanleutnant Schwieger died 2.5 years later when his sub, then the U-88, was sent to the bottom off the coast of Denmark by either a Q-boat or a floating mine or more likely a combination of both. *ed.*

**HARC t-shirts & caps** (royal blue embroidered with the HARC crest) can be purchased from our stock for Ball Caps @ \$10 each  
T-shirts @ \$15 each  
Contact: Murray MacDonald, VE1MMD, 876-0661



*Perhaps some degree of commerce would grind to a halt if telephone solicitors weren't able to call people at home during the dinner hour. But that does not make it any more pleasant. Now Steve Rubenstein, a writer for the San Francisco Chronicle, has proposed "Three Little Words" based on his brief experience in a telemarketing operation -- that would stop the nuisance for all time. The three little words are "Hold on, please."*

*Saying this while putting down your phone and walking off instead of hanging up immediately -- would make each telemarketing call so time-consuming that boiler rooms would grind to a halt. When you eventually hear the phone company's beep-beep-beep tone, you know it's time to go back and hang up your handset, which has efficiently completed its task. (Source unknown)*

**REMINDER**

Have you changed your address? Got a new call sign?

We need to know your correct address to get the newsletter to you. Please inform Tom Caithness,